

9th Class 2017

Chemistry

Group-I

Paper-I

Time: 15 Minutes

(Objective Type)

Max. Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- If 10 cm^3 of alcohol is dissolved in 100 g of water, it is called:

(a) $\% \frac{m}{m}$

(b) $\% \frac{m}{v}$

(c) $\% \frac{v}{m} \checkmark$

(d) $\% \frac{v}{v}$

2- The oxidation number of chromium in $\text{K}_2\text{Cr}_2\text{O}_7$ is:

(a) +2

(b) +6 \checkmark

(c) +7

(d) +14

3- Triple covalent bond involves how many electrons:

(a) Eight

(b) Six \checkmark

(c) Four

(d) Only three

4- In the redox reaction between Zn and HCl, the oxidizing agent is:

(a) Zn

(b) H^+ \checkmark

(c) Cl^-

(d) H_2

5- The molar mass of H_2SO_4 is:

(a) 98 g \checkmark

(b) 98 amu

(c) 9.8 g

(d) 9.8 amu

6- Which one of the following solutions contains more water:

(a) 2 M

(b) 1 M

(c) 0.5 M

(d) 0.25 M \checkmark

- 7- Which one of the following molecule is not tri-atomic:
- (a) H_2 ✓ (b) O_3
(c) H_2O (d) CO_2
- 8- Which one of the following is not amorphous solid:
- (a) Rubber (b) Plastic
(c) Glass (d) Glucose ✓
- 9- Which one of the following halogens has lowest electro-negativity:
- (a) Fluorine (b) Chlorine
(c) Bromine (d) Iodine ✓
- 10- Which one of the following shell consists of three subshells:
- (a) O shell (b) N shell
(c) L shell (d) M shell ✓
- 11- Which one of the following will not react with dilute HCl:
- (a) Sodium (b) Potassium
(c) Calcium (d) Carbon ✓
- 12- Transition elements are:
- (a) All gases (b) All metals ✓
(c) All non-metals (d) All metalloids